

Date: Fri, 14 Jan 94 06:43:02 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #35  
To: Info-Hams

Info-Hams Digest                      Fri, 14 Jan 94                      Volume 94 : Issue    35

Today's Topics:

10-12 meter coverage on a ranger?  
ANARTS RTTY NEWS791 09/01/94  
Learning Morse - which letters to start?  
Multi-User Dungeons on Packet?  
Portable 2m Antenna for Mountaineering???  
QSL help pse (2 msgs)  
QSL routes  
Seeking info on repeaters in Irving TX area.  
Sony 2010 for sale  
VHF - UHF mobile antenna for scanner (2 msgs)  
why 29.94 fps?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 14 Jan 1994 06:53:23 GMT  
From: noc.near.net!news.delphi.com!jtriolo@uunet.uu.net  
Subject: 10-12 meter coverage on a ranger?  
To: info-hams@ucsd.edu

>I am looking to run 10 and 12 meters (I don't care about running CB) in  
the car  
>and am looking at the Ranger RCI-2970 and the Uniden 2600. Which one of  
these can be modified to run on 12 meters aswell (and maybe 15 too?) Where  
can I find  
>these frequency mods?

Occasionally, I have seen ads in ham classifieds (such as those in 73 or CQ magazines) with offers for 12 meter mods for the 2510/2600 series of Uniden xcvrs. I'll see if I can dig up one of those ads. Not sure on the 2970, though.

73,

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Jason D. Triolo -- Colonial Heights, VA | -----
Amateur Radio: KD4ACG                  | This space for rent.
Internet      : JTRIOL0@delphi.com      | Call today!
Fidonet       : 1:264/219.1             | -----
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Date: 13 Jan 94 00:44:27 GMT  
From: munnari.oz.au!newshost.anu.edu.au!sserve!usage!metro!news.ci.com.au!eram!  
dave@uunet.uu.net  
Subject: ANARTS RTTY NEWS791 09/01/94  
To: info-hams@ucsd.edu

[ ANARTS - Australian National Amateur Radio Teletype Society ]

ANARTS NEWS BULLETIN 791 09/01/94

#### SUNDAY BROADCAST SCHEDULES.

|                                   |               |                  |
|-----------------------------------|---------------|------------------|
| 3.545 mhz                         | 0930 utc      | VK2BQS (Jim)     |
| 7.045 mhz -3                      | 0030 utc      | VK2CTD (COL)     |
| 14.070 mhz (amtor/fec)            | 0030 utc      | VK2DPM (ALAN)    |
| 14.091 mhz                        | 0030 utc      | VK2BQS (JIM)     |
| 146.675 mhz                       | 0030/0930 utc | VK2JPA (PAT)     |
| 144.850 mhz (ax25 bbs)            |               | VK2JPA AT VK2RWI |
| 146.675 mhz (rtty mmbbs/repeater) |               | VK2RTY           |

Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.

#### QUESTION.....

Why has Dural been off air in such a state of emergency?

In this emergency that is affecting so many people in the northern parts of Sydney, why has the WIA Council (VK2 Division) kept Dural repeaters off air when there is such a need for communications in this catastrophe ?

I find it incredible that the Council does not respond to this emergency and put the repeaters back up as a public service

regardless of the reason for taking them off air.

Pat VK2JPA Broadcast Officer ANARTS

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Due to the emergency situation in eastern New South Wales, I am holding back the series on Guidelines for the preparation of programs for transmission by Amateur Radio Teletype sent to us by Frank VK2FJL. This will now commence next week - surely the fires will be gone by then, and the amateurs back at their sets ...

Spare a thought for any amateurs affected by this desperate situation. If many are affected, is there some way we who are safe can help get them back on air ? Thoughts to this end would be appreciated. Contact Pat VK2JPA at VK2GJB while VK2RWI is off air, or drop a fax to (02) 622 9604 during working hours.

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Syd, VK2SG, back on air

With the help of Bill, VK2EG, and Bruce, VK2RT, Syd's shack has been moved into his house to make up for his lack of mobility and Syd is back on air, except for CW. Be prepared to hear him on Pactor etc., maybe even a few contacts in contests, depending on his health at the time.

What Syd does need help with is the chain drive for his quad which is on top of a 65 foot free-standing tower. The chain has come off again so he is restricted to a north-east heading. Is there some energetic person out there with the time and expertise to assist ? Contact Syd on (02) 631 2576. Tell him you saw it in the broadcast.

Attention Volunteer Coastal Patrol operators

The Royal Blind Society of New South Wales, in conjunction with the Maritime Services, have produced a tape which consists of frequencies, times and weather forecasts together with ocean conditions, traffic, and many other services which have reference to shipping operations (including safety) that are normally broadcast by the Maritime Services (O.T.C.).

This tape has been produced to assist the blind or dyslectic

operators that are assisting with the operations of the Volunteer Coastal Patrol services throughout Australia. The tape is a C60 twin track cassette and is available from the Royal Blind Society of New South Wales for a slight cost.

The tapes are now available, after some delay was overcome.

Please direct all enquiries to Jim Bates at the Royal Blind Society of New South Wales, phone (02) 334 3333, 4 Mitchell Street Enfield Sydney.

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Seen in the RTTY Digital Journal and reprinted there from somewhere in a US communications network. Just a bit of light humour ...

To all visitors

WHAT YOU ARE ABOUT TO WITNESS IS AN AMATEUR RADIO STATION, LICENSED AS BY THE FEDERAL COMMUNICATIONS COMMISSION. BEFORE YOU ASK QUESTIONS, CONSIDER THE FOLLOWING -

1. The total cost of this equipment cannot be discussed here as it creates marital conflicts.
2. No, I cannot send a message to your brother in Hong Kong, I suggest you call Western Union.
3. This is strictly a hobby; I do not have the facilities or the time to fix TV sets, radios or Hi-Fi. I suggest you see a serviceman.
4. Yes, the antenna in the backyard is essential to the operation of the equipment.
5. The farthest station we have contacted has been in the Ubangiland.
6. The cards on the wall are called QSL cards. They are confirmation of contacts made with other stations.
7. Oh, no!! Never does this station equipment interfere with television reception.

Furthermore -

IF YOU ARE INVITED TO SPEAK INTO THE MICROPHONE, PLEASE OBSERVE THE FOLLOWING RULES -

1. Speak in a low and soothing tone.
2. Do not agree with me in any manner.
3. Say no bad words and tell no off-colour jokes.

DO NOT TOUCH ANYTHING, TURN ANY KNOBS, OR SIT ON THE EQUIPMENT. I HAVE LOST SEVERAL VISITORS BY ELECTROCUTION IN THE PAST FEW WEEKS.

### IPS weekly report

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31 December - 6 January 1994

Issue no.: 01

Date of issue: 7 January 1994

|      |     |     |     |     |     |     |                |
|------|-----|-----|-----|-----|-----|-----|----------------|
| Date | 30  | 01  | 02  | 03  | 04  | 05  | 06             |
| 10cm | 141 | 148 | 146 | 133 | 129 | 137 | 132            |
| A    | 16  | 21  | 19  | 13  | 06  | 05  | (10 estimated) |
| T    | 116 | 51  | 46  | 55  | 73  | 80  | 86             |

### Summary of activity

Solar activity was very low 1st and 3rd-4th January, low 31st December and 6th January, moderate on 5th, and high on 2nd with an M6 flare on that day.

The geomagnetic field at Learmonth (WA) was -

31st Quiet to unsettled with active periods 0600-1200 UT  
 1st Unsettled to active  
 2nd Quiet to active  
 3rd Quiet to unsettled, with brief active period 1500-1800 UT  
 4th Quiet to unsettled  
 5th Quiet  
 6th Quiet to unsettled

Ionospheric F2 critical frequencies at Sydney were near normal or enhanced by up to 50 per cent. Strong sporadic E was observed on 31st-4th and obscured the F layer at times each day.

Forecast for the next week (7 - 13 January)

Solar : Low.

Geomagnetic: Quiet with possible active periods 12-13 Jan.

Ionospheric: 10 - 20 per cent enhanced/near normal.

Courtesy of IPS Radio and Space Services

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No RTTY DXnotes available, so here is whatever we could find.

ARLD001 DX NEWS

PRATAS TO BE ACTIVE

ON JANUARY 5, 1994, A GROUP OF EXPEDITIONERS FROM TAIWAN AND FINLAND WILL ACTIVATE PRATAS ISLAND, AKA TUNG SHA DAO. FOR THE FIRST TIME IN AMATEUR RADIO HISTORY. THE TEAM WILL CONSIST OF LEADER BV5AF, BV2AP, BV4AS, BV4OB AND OH2BH. THE CALL SIGNS BV0ARL/BV9P OR SIMPLY BV9P WILL BE USED.

THIS INITIAL OPERATION WILL BE APPROXIMATELY FOUR AND A HALF HOURS, FROM 0300Z UNTIL 0730Z, ACCORDING TO BV5AF, AND WILL HOPEFULLY OPEN THE DOOR FOR A LARGER OPERATION IN MARCH. THERE IS CURRENTLY NO DXCC STATUS FOR THAT ISLAND.

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Most wanted countries on RTTY, as of August 1993

This is from the DX Bulletin and printed in the RTTY Digital Journal December 1993.

The rarest are - Libya 5A, Heard Island VK0, Yemen 4W, Mount Athos SV/A, Congo TN, Kerguelen FT/X. All respondents to the survey used to supply the above needed those countries.

Other rare countries are - Bhutan A5, Burundi 9U, Nepal 9N, Ghana 9G, Peter Island 3Y, Kermadec ZL8, Andamans VU4, Tromelin FR/T, Macquarie Island VK0, Crozet FT/W, St Peter and Paul Rocks PY0S, Tunisia 3V, Auckland Island ZL9, Afghanistan YA, Guinea 3X, Cocos Islands TI9, Central Kiribati T31, Qatar A7, Bahrain A9, Rwanda 9X, Trindade PY0T, Minami Torishima JD1, Tokelau ZK3, Jan Mayen JX.

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## Coming events

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1994

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|         |         |                   |
|---------|---------|-------------------|
| January | 8th-9th | ARRL Rtty Roundup |
|---------|---------|-------------------|

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## Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD, or the Secretary (Pat) VK2JPA @ VK2RWI

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or by packet to VK2JPA @ VK2RWI.

The Internet address for the Broadcast Officer is :  
patl@extro.edu.su.oz.au

The Society welcomes news items on any digital subjects from anywhere in the broadcast coverage area. We know we reach New Zealand and many South Pacific islands and we are looking forward to news from your areas to let other amateurs know what you are doing in the hobby. Hope to hear from you.

73s de Pat VK2JPA Broadcast Officer

That concludes ANARTS News Bulletin 791 09/01/94

Inserted by VK2BQS Jim (Vice-President ANARTS).

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|                        |                            |           |
|------------------------|----------------------------|-----------|
| Dave Horsfall (VK2KFU) | VK2KFU @ VK2RWI.NSW.AUS.OC | PGP 2.3   |
| dave@esi.COM.AU        | ...munari!esi.COM.AU!dave  | available |

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Date: Wed, 12 Jan 1994 21:30:46 GMT  
From: pmafire!boojum!mamie.lanl.gov!user@uunet.uu.net  
Subject: Learning Morse - which letters to start?  
To: info-hams@ucsd.edu

Will wonders never cease? My XYL asked if there was a class she could take to get her license just as one was announced on the local 2m net!

The class instructor said he was teaching only the written material for Codeless Tech license, so I will be the code coach for my wife. Although I've only had my license about a year, I actually learned the code in Junior High School (more than 20 years ago). I don't remember how you go FROM SCRATCH! Seems to me I learned A,N,R,S,E,I,H first, then W,U,M,O,C etc. Is there a preferred way or order to learn the letters from scratch? All I have in the house now are 15-20 WPM tapes and a couple of code programs for Mac for people who already know the code. How should I proceed? My oldest son is learning by sending "secret" messages to me with a homebrew CPO. I started him off with the letter groups I mentioned above, but I am not sure what is best.

Any comments, please post or email!

Thanks,  
Tom  
KJ5LT

-----  
Date: 13 Jan 94 04:46:00 GMT  
From: swrinde!cs.utexas.edu!howland.reston.ans.net!sol.ctr.columbia.edu!destroyer!news1.oakland.edu!vela.acs.oakland.edu!swood@network.ucsd.edu  
Subject: Multi-User Dungeons on Packet?  
To: info-hams@ucsd.edu

Would it be possible or plausible to run Multi-User Dungeon (MUD) on packet radio? Would anyone like to help me hack code to play with this concept?

swood

--  
All Month Rabbit and Crow are legal to hunt all month in Michigan  
Current Michigan Canada Goose special late season still open  
(Southern Michigan Game Management unit only w/stamp)  
<<<<<< Only nine months until bow season!!! >>>>>>

-----  
Date: 12 Jan 94 09:24:50 EST  
From: titan.ksc.nasa.gov!titan.ksc.nasa.gov!nntp@ames.arpa  
Subject: Portable 2m Antenna for Mountaineering???  
To: info-hams@ucsd.edu

David,



Try a rolled up J-pole. It's made of 300 Ohm Twin lead and tapped with a 50 Ohm coax with BNC connector on opposite end. It provides about 2.8dB gain. You can buy the ant from MFJ for about \$12 or build it yourself. The dimensions are below:

```
-- for 146MHz center freq
      |
      |
      |
      |
this side |
56"      |
      | | <----- trim here for best
SWR.      | |
      | |      14" on this side
      | |
coax====> - - 1-3/4" tap from bottom
      | |
      ---
```

I've experimented with lots of these with good results (built about 30 or so for myself, friends, and local HAM classes).

Good luck and 73,  
Tom  
AD4NA

-----  
Date: Wed, 12 Jan 1994 19:30:32 GMT  
From: newsflash.concordia.ca!nstn.ns.ca!news.ucs.mun.ca!kean.ucs.mun.ca!  
jcraig@uunet.uu.net  
Subject: QSL help pse  
To: info-hams@ucsd.edu

I worked the following on top band, but can't seem to find  
managers / CBA's for them...

YS1X  
HH2PK  
XF4JC  
V47WZ

Any help will be appreciated.  
73 Joe, V01NA

-----  
Date: Thu, 13 Jan 1994 18:27:40 GMT

YS1X via W3HNK.  
XF4JC via XE1ECR.  
V47WZ might be WZ8D.  
HH2PK might be KA9RLJ.

— —

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tcj@netcom.com (Todd Jonz) writes:
> Derek Wills (oo7@astro.as.utexas.edu) writes:
> > > PZ1DYX No listing given....
> > Let me guess that this was a cw contact, and that the op was PZ1DY,
> > who is quite active, and who was sending "thank you" = "TU" = "X" if
> > you run the T and the U together, as many do.
> Inspector Morse would be impressed!  ;-)
```

Just Ron, WE8E having some fun... ;^)  
73,  
Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

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+-----+
| Jack GF Hill          |Voice: (615) 459-2636 -          Ham Call: W4PPT |
| P. O. Box 1685        |Modem: (615) 377-5980 -    Bicycling and SCUBA Diving |
| Brentwood, TN 37024  |Fax:   (615) 459-0038 -          Life Member - ARRL |
| root@jackatak.raider.net - "Plus ca change, plus c'est la meme chose" |
+-----+
```

-----  
Date: 14 Jan 94 14:04:40 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Seeking info on repeaters in Irving TX area.  
To: info-hams@ucsd.edu

I will be in the Irving TX area next week and would like to know which repeaters on the 2 meter and 70cm bands I should try to listen to. Any help would be appreciated.

Thanks.

Dave WB1FLD  
bourque@ub.com

-----  
Date: 13 Jan 1994 13:40:55 -0800  
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!howland.reston.ans.net!agate!biosci!biosci!not-for-mail@decwrl.dec.com  
Subject: Sony 2010 for sale  
To: info-hams@ucsd.edu

I have a 2010 bought a year and a half ago which I'm thinking of selling because I do not use it enough to justify keeping it.

The radio is like new. I used it some at the beginning, then less and less, because unfortunately I do not have the time to enjoy it...

There's absolutely no problem with it, it's 100% new condition.

I have everything, manuals, original box, cables etc..

I paid in the upper \$300's for it. I have the receipt. I would like to get \$250 for it if possible, given its like-new condition.

Jean-Pierre

-----  
Date: Wed, 12 Jan 1994 17:51:32 GMT  
From: swrinde!cs.utexas.edu!howland.reston.ans.net!paladin.american.edu!darwin.sura.net!perot.mtsu.edu!raider!theporch!jackatak!root@network.ucsd.edu  
Subject: VHF - UHF mobile antenna for scanner  
To: info-hams@ucsd.edu

thweatt@rtsg.mot.com (John A. Thweatt) writes:

> I asked this question about a month ago but didn't get any response so  
> here it goes again.

I just read what you are looking for, and based on your wish that it hear spectacularly from 30MHz to well over 1,000MHz, and also function as a gain transmitting antenna for 146MHz and 440MHz...all the while not looking obtrusive and marring the natural lines of your pickup truck...

I suspect you would find better answers in  
alt.fountain.of.youth.I.found.it

You are asking for the near impossible, and just a guess, but you probably don't want to spend more than, say \$50..., right?

That is a more difficult quest than the Fountain of Youth or the Holy Grail... it *IS* the Holy Grail of mobile antennas...

No wonder no one answered... there is no answer... wonder why I tried...? ;^)

73,

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

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+-----+
| Jack GF Hill          |Voice: (615) 459-2636 -           Ham Call: W4PPT |
| P. O. Box 1685        |Modem: (615) 377-5980 -   Bicycling and SCUBA Diving |
| Brentwood, TN 37024  |Fax:   (615) 459-0038 -           Life Member - ARRL |
| root@jackatak.raider.net - "Plus ca change, plus c'est la meme chose" |
+-----+
```

Date: 13 Jan 1994 13:29 CST

From: munnari.oz.au!spool.mu.edu!howland.reston.ans.net!cs.utexas.edu!

news.tamu.edu!summa.tamu.edu!pjc3151@network.ucsd.edu

Subject: VHF - UHF mobile antenna for scanner

To: [info-hams@ucsd.edu](mailto:info-hams@ucsd.edu)

In article <Lsw2Fc4w165w@jackatak.raider.net>, root@jackatak.raider.net (Jack GF Hill) writes...

>thweatt@rtsg.mot.com (John A. Thweatt) writes:

 $\gamma$ 

```
>> I asked this question about a month ago but didn't get any response so
>> here it goes again.
```

>I just read what you are looking for, and based on your wish that it  
>hear spectacularly from 30MHz to well over 1,000MHz, and also function  
Other than mounting a discone on your vehicle, you would probably best go  
with a dual band mobile antenna (ie Larsen 2m/70cm). Since you will  
probably not be doing weak signal work, it should suit your needs across  
the band fairly well with the worst performance being in the low-vhf band.  
If you really need the low vhf, go with a CB antenna for that portion

73, Pierre WA1UAT/5  
catala@entc.tamu.edu

-----  
Date: Fri, 14 Jan 1994 05:59:18 GMT  
From: concert!news-feed-1.peachnet.edu!darwin.sura.net!newsserver.jvnc.net!  
adx.adelphi.edu!auvax1.adelphi.edu!schmidt@decwrl.dec.com  
Subject: why 29.94 fps?  
To: info-hams@ucsd.edu

In article <199401122319360SYSMAS@MVS.OAC.UCLA.EDU>, OSYSMAS@MVS.OAC.UCLA.EDU  
(Michael Stein) writes:

>>Unfortunately publication 432 is out of date here. The nets don't  
>>work this way anymore, and haven't since the late 1970s, as has been  
>>noted previously in this thread. Using broadcast colorburst will only  
>>give you a reference that's the local crystal oscillator at the local  
>>broadcast outlet. It's likely no more accurate than your own crystal  
>>oscillator, about 4 ppm. NIST should circulate a retraction of this  
>>technique because it's likely still misleading folks. (They may have  
>>issued one, but I haven't seen it.)

>  
> See NIST Special Publication 432 (Revised 1990), inside cover  
> says "Supersedes NBS Spec. Publ. 432 dated September 1979.

>  
> Oh, I can't find a mention of TV color signal calibrating at all  
> there. See the 1979 version (NIST was NBS then), page 10 & 11  
> section 7 titled "Digital Frame Synchronizers and  
> TelevisionTechniques". <sic>

>  
> This section explains that a frame synchronizer replaces the  
> original accuracy of the network feed with the accuracy of the  
> local station reference. It also says that only a few stations  
> have them, but this will change if the cost of frame  
> synchronizers drops...

>  
> I'd guess a bit of RAM and some timing circuits cost a bit less  
> now than in 1979. So this implies that TV color carriers are  
> useless now as a frequency standard. Which probably explains why  
> this information was dropped from Pub 432.

>  
> You're right, the new Pub 432 should probably have made a point  
> of "retracting" this bit of information. Instead they just  
> dropped all mention of it.

>  
> PS: The old Pub 432 does mention that there may be a special case  
> where good color references may be available. The old pub  
> claims that ABC stations in Los Angeles and New York are

> co-located with their network studios and use the network  
> cesium references. Anyone know if this is still true? Or  
> has their cesium reference outlived it's lifetime and not  
> been replaced?

My PAYING daytime job is as a design engineer for ABC New York. WABC TV is adjacent to the network facilities, and I believe they get their sync reference from the network. They did the last time I looked, which was some years ago. I'll post here if this is untrue. ABC Network uses a Rubidium standard for sync, BUT, the backup, if the Rubidium croaks, is the crystal oscillator in the GVG sync generator which is normally locked to the Rubidium. Unfortunately, the casual viewer has no way of knowing if the Rubidium reference is up.

Most every little two-bit local station now has frame synchronizers these days, I think the least expensive ones are only a few thousand dollars now. If so, their colorburst frequency is set by their local reference, and not the network. Also some cable systems use processing which destroys the burst integrity. therefore, don't count on this way of calibrating your frequency counter....

We used to have a Cesium standard on loan from NBS, backed up by TWO Rubidiums, which we owned as the reference. After the widespread use of frame syncs, the NBS took their cesium back, and finally the Rubidiums wore out. We talked about just using the crystal oscillator in the GVG sync generator as the reference all the time, and in fact have run that way from time to time for several days to weeks, but we also use the sync as the reference for our clocks and time-of-day time code (also encoded in the vertical interval and used by Nielson for ratings measurements), so we decided to spring for the more accurate Rubidium standard, and bought a new one.

Interestingly, another inaccuracy (really a jitter of sorts) in the frequency of the colorburst can be caused by doppler effects caused by the satellite drifting slightly in its orbital position. Almost all TV signals are transmitted to affiliates by satellite these days. Some day, this may migrate more to Fiber, but for now it's mostly satellite.

John

--

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*****
John H. Schmidt, P.E.           |Internet: schmidt@auvax1.adelphi.edu
Technical Director, WBAU        |Phone--Days      (212)456-4218
Adelphi University              |      Evenings (516)877-6400
Garden City, New York 11530     |Fax----- (212)456-2424
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End of Info-Hams Digest V94 #35

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